

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/07139

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C23C28/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | US 5 507 623 A (KOJIMA YOSHITAKA ET AL) 16 April 1996 (1996-04-16) abstract column 3, line 29 - line 41; claims 1,8 column 4, line 42 - line 64; table 1 column 6, line 37 - line 47 | 1,2,5,7, 10,11 |
| Y | --- | 1-4,6-11 |
| Y | WO 99 55527 A (SIEMENS AG ;STAMM WERNER (DE)) 4 November 1999 (1999-11-04) the whole document --- -/- | 1,2,4,6, 7,10,11 |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

3 September 2003

Date of mailing of the international search report

18/09/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | MUELLER G ET AL: "OXIDE SCALE GROWTH ON MCRAZY COATINGS AFTER PULSED ELECTRON BEAM TREATMENT" SURFACE AND COATINGS TECHNOLOGY, ELSEVIER, AMSTERDAM, NL, vol. 108/109, no. 1-3, 1998, pages 43-47, XP001004819 ISSN: 0257-8972 the whole document ---- | 1 |
| Y | US 4 615 864 A (DARDI LOUIS E ET AL) 7 October 1986 (1986-10-07) abstract column 1, line 24 - line 29 column 3, line 27 - line 38; claim 1 column 4, line 5 - line 17 column 5, line 4 - line 17 ----- | 8,9 |
| Y | US 6 001 492 A (JACKSON MELVIN ROBERT ET AL) 14 December 1999 (1999-12-14) column 3, line 11 - line 45 column 4, line 6 - line 24 column 5, line 43 - line 61 ----- | 3 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/07139

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|---|--|
| US 5507623 | A | 16-04-1996 | JP 2949605 B2 JP 5078860 A | 20-09-1999 30-03-1993 |
| WO 9955527 | A | 04-11-1999 | WO 9955527 A2 DE 59900691 D1 EP 1082216 A2 JP 2002513081 T | 04-11-1999 21-02-2002 14-03-2001 08-05-2002 |
| US 4615864 | A | 07-10-1986 | US 4339509 A CA 1169267 A1 DE 3030961 A1 FR 2463191 A1 GB 2056487 A ,B GB 2056491 A ,B JP 1370702 C JP 56108850 A JP 61036061 B US 4447503 A | 13-07-1982 19-06-1984 12-03-1981 20-02-1981 18-03-1981 18-03-1981 25-03-1987 28-08-1981 16-08-1986 08-05-1984 |
| US 6001492 | A | 14-12-1999 | NONE | |